

United States Army *Logistics Transformation Agency*

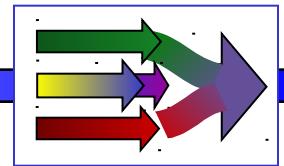


Common Logistic Operating Environment (CLOE)



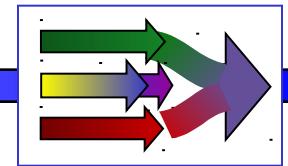
Information Briefing for the
LIW #5
11 June 2003

Materiel Logistics Division
Logistics Transformation
Agency
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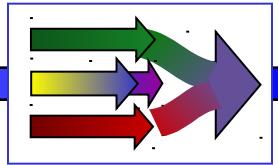
What is CLOE?

- **CLOE Is The “End State” That Guides The Army’s Vision For The Development, Demonstration And Implementation Of An Advanced Information Framework For Platform Sustainment In A Networked Environment.**
- **CLOE Addresses How We Must Reengineer Processes And Transform Our Systems And Organizations To Ensure Reliability, Maintainability, Supportability And Interoperability.**
- **CLOE Integrates Platform, Information, And C3 Technologies To Accelerate The Transition To Objective Logistics Processes**



CLOE Components

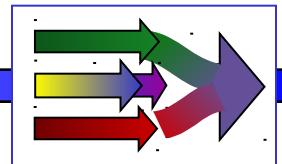
- **CLOE Is A Health Management *Environment* For Self-reporting Platforms With Anticipatory Sustainment Processes**
 - Platform Enabling Technology
 - Hardware & Software
 - Doctrine
 - Management Oversight
- **CLOE Is A *Process* That**
 - Defines The Vision
 - Streamlines The Operational Architecture
 - Synchronizes Sustainment Doctrine And Technology For Composite Forces On The Objective Force Battlefield
 - Guides Platform Technology Insertion, Overwatches Configuration Management And Ensures Interoperability



The CLOE End-State

The CLOE End-state Is A Technology-enabled Army With Self-diagnosing Platforms That Interact With A Networked, Agile Sustainment System To Provide The Highest Possible State Of

- ***Operational Availability***
- ***Mission Capability***
- ***Combat Power***



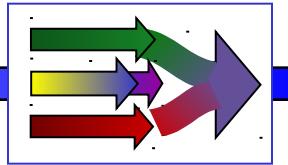
Differences

Force Scope
Commodity Scope
Supply System Scope
Users
Uses
Data Interface to Log
System
OTH Communications
Predictive Media
Management
Anticipatory
Logistics
ctrine & Business Practices
Fielding Date

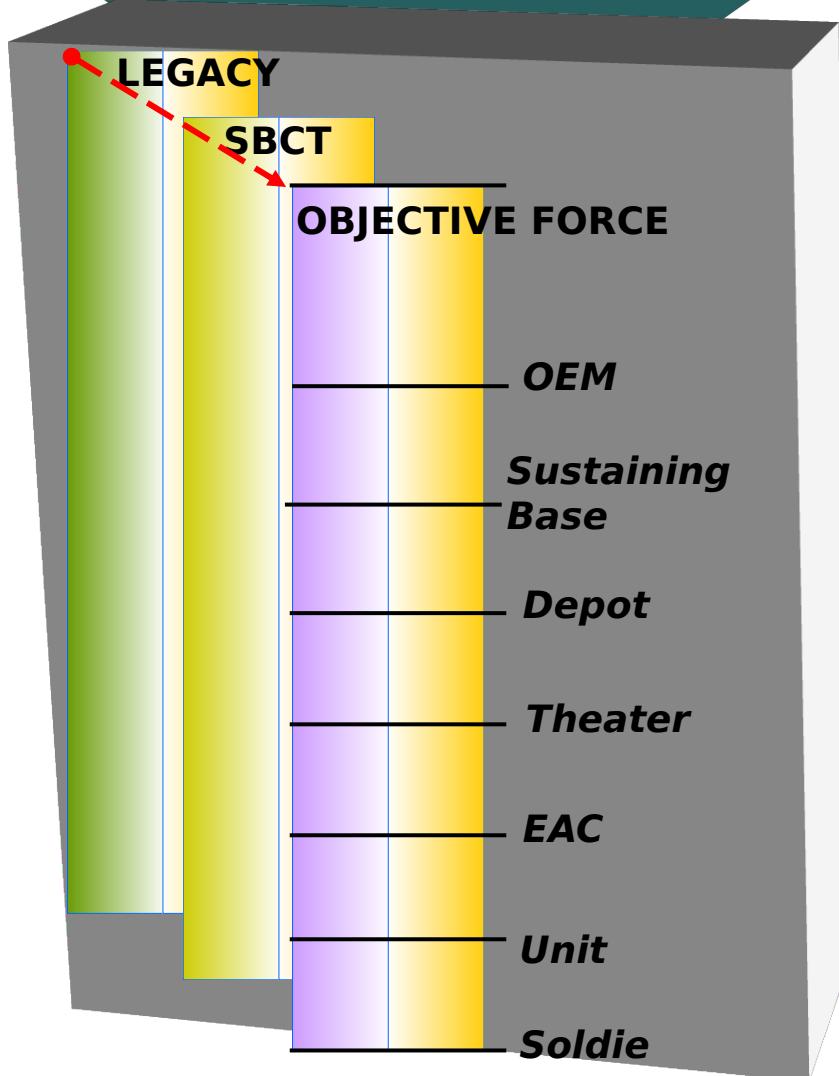
	SBCT OA	CLOE
Force Scope	Legacy & Interim	Objective Force
Commodity Scope	Ground Vehicles	All Equipment and Soldiers
Supply System Scope	ULLS & SAMS	GCSS-A & LMP ERP
Users	Brigade & Below	Soldiers, Managers, Maintainers, Logisticians
Uses	Tactical	Full Spectrum Sustainment
Data Interface to Log System	Mil-Std-3008	SAP ERP / MIMOSA
OTH Communications	SINCGARS, MTS	JTRS, WIN-T
Predictive Media Management	PMM / Stryker ED	(+) LDSS / PSMRS
Anticipatory Logistics	SBCT OA	SAP ERP
ctrine & Business Practices	SBCT OA	(+) FCS ORD; OF O&O
Fielding Date	2006	2008-2010



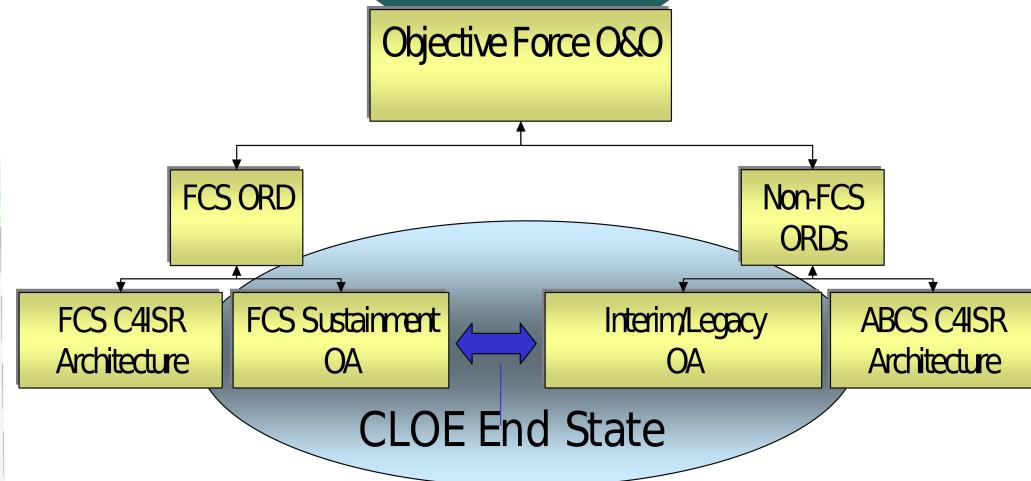
CLOE Reflects Objective Force Goals



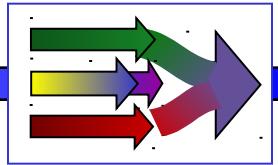
Factory to Foxhole



Interoperability



Addresses All Systems, Space to Mud



CLOE's Phased Strategy

FY03 FY04 FY05 FY06 FY07 FY08

Build
Health
Mgmt
OA

**SBCT Poe
Demo**

Scale-up

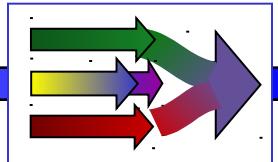
Exercise

Scale-up The OA;
Establish FCS Interoperability;
Acquire Infrastructure

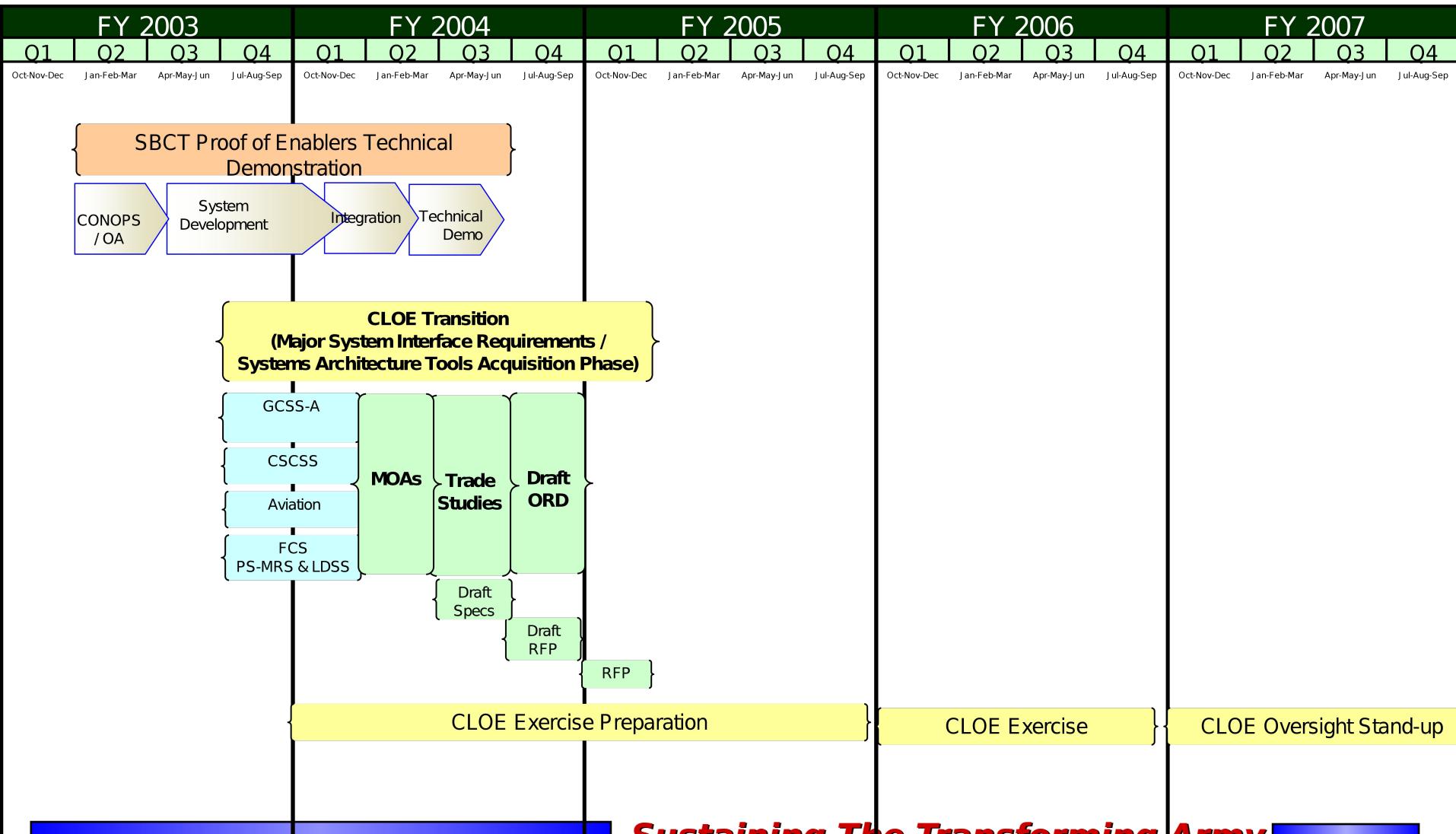
Implementation

Establish The
Process

Sustaining The Transforming Army

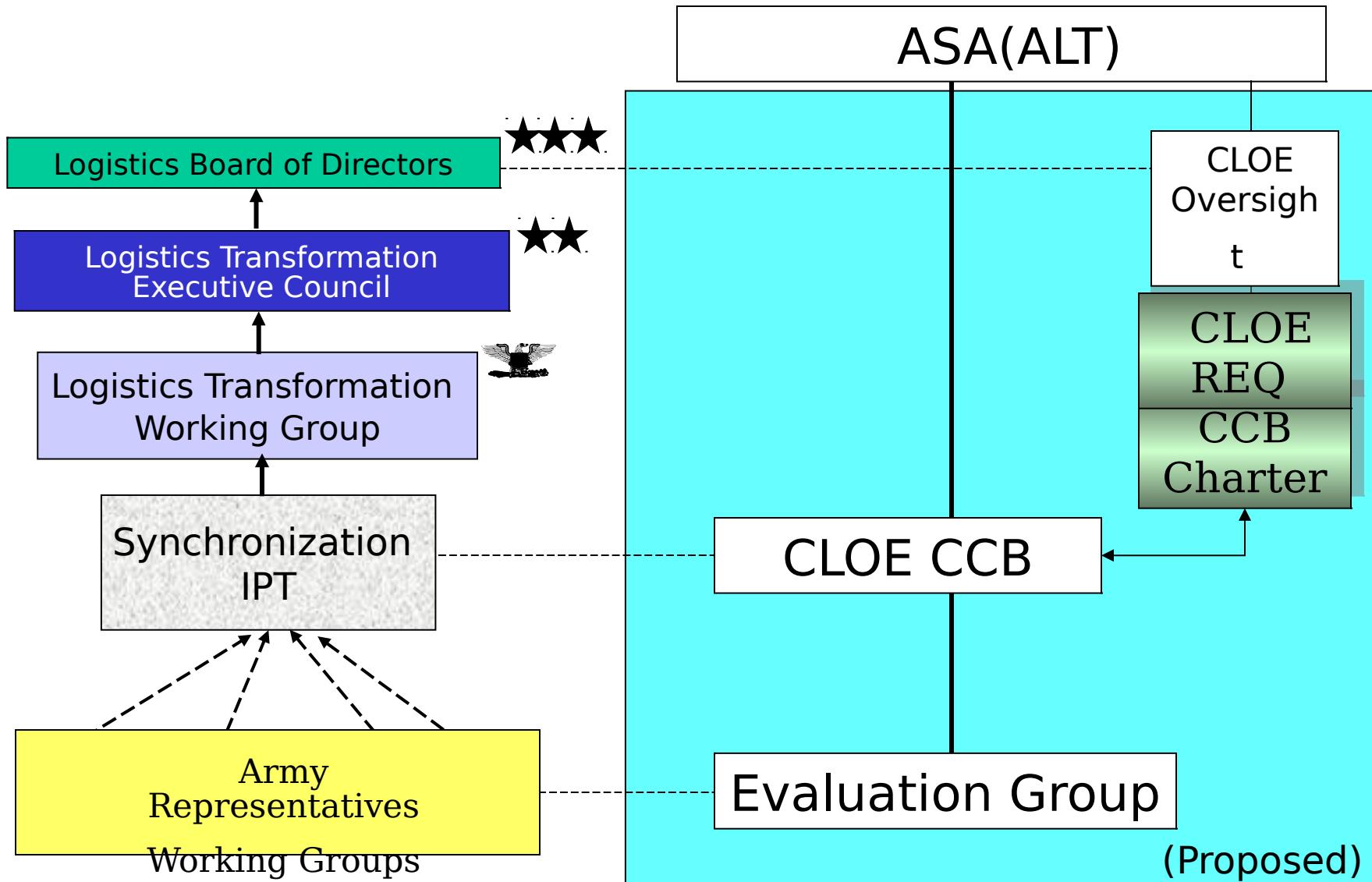
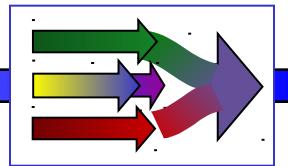


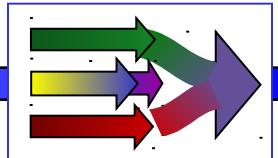
CLOE Roadmap



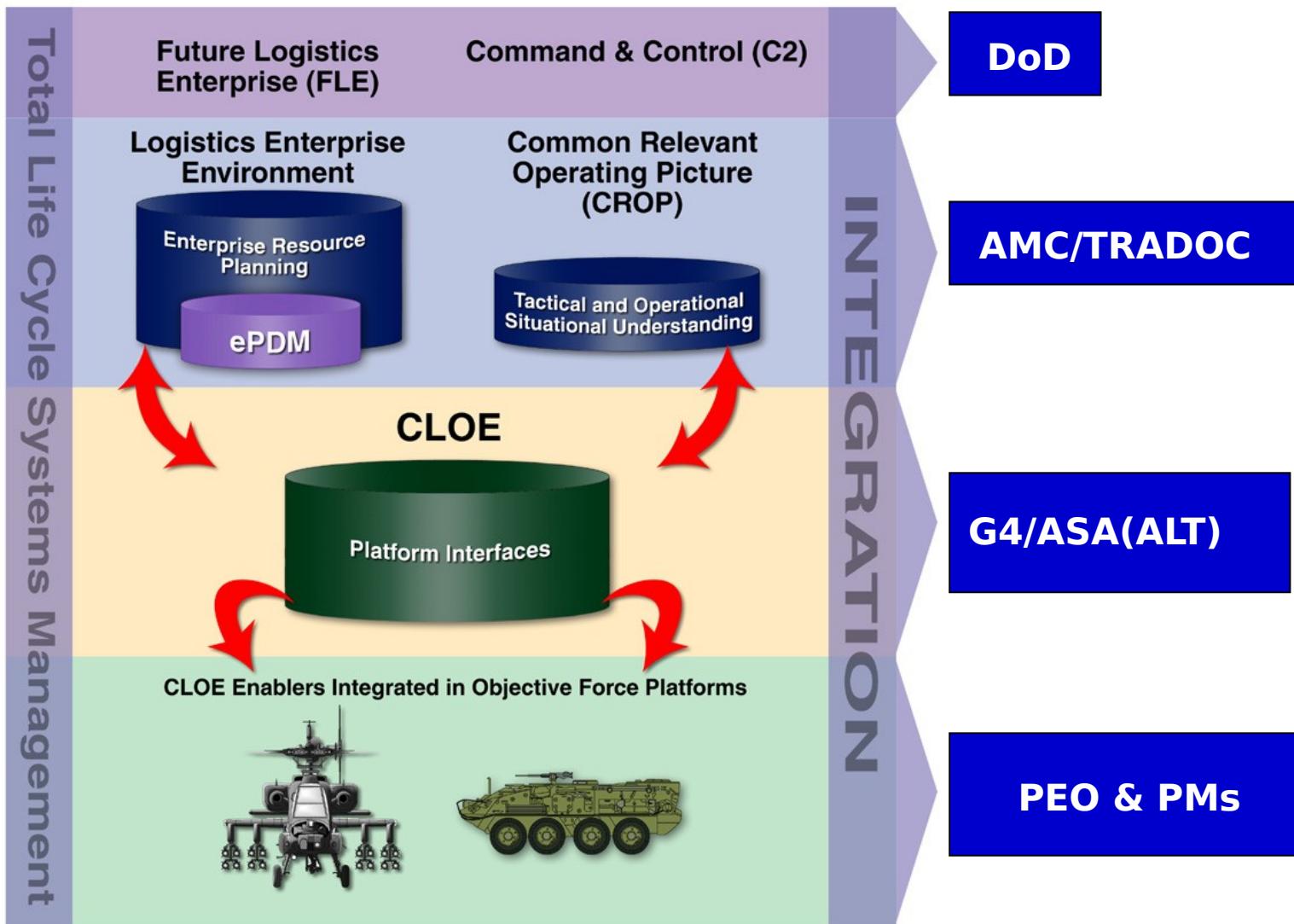


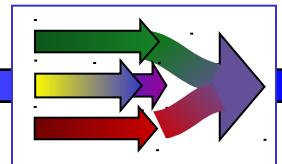
CLOE Oversight Process





High-Level Operational Concept

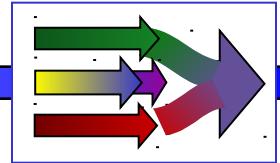




What Does it Mean to be CLOE-Compliant?

- **Principles-based**
 - CLOE Will Publish Principles Of Health Management
- **Standards-based**
 - CLOE Will Provide Guidelines For Acquisition Managers That Identify Software & Hardware Standards And Protocols For ED / EP*
e.g.: SAE Standards For ED, Open Architecture With Appropriate API's, SAP-certified Apps, SAP OCI
- **Configuration-managed**
 - The CLOE CCB Process Ensures Compliance With Interoperability Guidelines
- **Peer Reviewed**
 - The CLOE Synchronization IPT Reviews System Proposals And CCB Findings

* ED / EP: Embedded Diagnostics and Prognostics



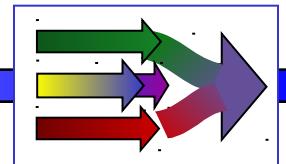
CLOE Benefits

Operational

- **Maximizes Equipment Operational Availability**
- **Enhances War Fighter's Situational Understanding**
- **Improves Maintenance Agility (Enables 2-level Maintenance)**
- **Reduces Logistics Footprint**
- **Provides Lateral Asset Visibility**
- **Reduces Total Life-cycle Costs**

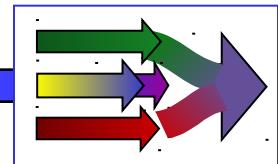
Doctrinal

- **Provides The Framework For Interoperability For FCS And Non-fcs Sustainment**
- **Provides The Structure And Process For Synchronizing Army Maintenance Doctrine**



No-CLOE Impact

- Legacy, Interim And Objective Force Equipment Will Continue To Have Unique Support Systems
- 2-level Maintenance Will Continue To Be Ad Hoc And Uneven Across Army Weapon Systems
- Maintenance Manpower On The Battlefield Will Not Be Adequate To Sustain TO&E Equipment In Legacy And Interim Force Units.
 - **Reliance On Contractor Logistic Support *Will Not Diminish***
- Sustainment Costs Will Continue To Be Excessive
- Logistics Footprint Will Not Be Reduced



Conclusion - thoughts to take away

- **The Value Of CLOE Is Not In Technology, But In The Impact On The Warfighter**
- **CLOE Is The Initiative That Will Drive Sustainment Interoperability Among Legacy, Interim And FCS Forces On The Objective Force Battlefield.**

No-CLOE is Not An Option